

MIROSHNICHENKO, L.D.; YEVSTIGNEYEVA, R.P.; FILIPPOVICH, Ye.I.;  
PREOBRAZHENSKIY, N.A.

Dipyrrolylmethene series. Part 5: Infrared absorption spectra of  
meso-substituted dipyrrolylmethenes. Zhur.ob.khim. 31  
no.9:2975-2983 S '61. (MIRA 14:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.  
Lomonosova.

(Methene--Spectra)

44941

S/048/65/027/001/018/043  
B108/B186

54580

AUTHORS:

Miroshnichenko, L. D., and Yevstigneyeva, R. P.

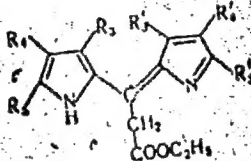
TITLE:

Prototropic regrouping in some dipyrromethenes

PERIODICAL:

Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya,  
v. 27, no. 1, 1963, 50-52

TEXT: Important natural compounds, as e.g. chlorophyll or hemin are based on two dipyrromethenes that tend to isomerism. A study of the behavior of these substances can give information on the processes of metabolism. One group of mesosubstituted dipyrromethenes was investigated:



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Prototropic regrouping in ...

S/048/63/027/001/018/043  
B108/B186

- (I) —  $R_1 = R_2 = R_3 = R_4 = CH_3$ ,  $R_5 = R_6 = COOC_2H_5$ ;
- (II) —  $R_1 = R_2 = R_3 = R_4 = CH_3$ ,  $R_5 = R_6 = COOC_2H_5$ ;
- (III) —  $R_1 = R_2 = R_3 = R_4 = CH_3$ ,  $R_5 = R_6 = COOC_2H_5$ ;
- (IV) —  $R_1 = R_2 = R_3 = R_4 = CH_3$ ,  $R_5 = R_6 = COOC_2H_5$ .

Prototropic regroupings were observed between these dipyrromethenes. Spectrophotometric titration showed that this regrouping during alkalization takes place at a certain pH (between 10 and 11). There are 2 figures.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov)

Card 2/2

MARKARYAN, E.A.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Condensation of esters of  $\beta$ -substituted glutaric acids with  
tryptamine. Zhur.ob.khim. 93 no.4:1123-1127 Ap '63.  
(MIRA 16:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.  
(Glutaric acid) (Tryptamine)

MIROSHNICHENKO, L. D.; YEVSTIGNEYEVA, R. P.

Prototropic rearrangement in the dipyrrolylmethene series.

Izv. AN SSSR. Ser. fiz. 27 no.1:50-52 Ja '63.

(MIRA 16:1)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im.  
M. V. Lomonosova.

(Methene)

CHEKASOVA, A.A.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of 2-methyl-3,3-dimethyl-4-carbomethoxyethylpyrroline.  
Zhur.ob.khim. 32 no.11:3549-3552 N '62. (MIRA 15:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova.

(Pyrroline)

CHERKASOVA, A.A.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of isomeric 2,3-dimethyl-4-carboethoxyethylpyrrolines.  
Zhur.ob.khim. 32 no.11:3544-3549 N '62. (MIRA 15:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V Lomonosova.

(Pyrrolines)

PISHKINA, G. N.; YEVSTIGNEYEVA, R. P.; PREOBRAZHENSKIY, N. A.

Claisen condensation of esters of substituted levulinic acids.

Zhur. ob. khim. 32 no.12:3909-3913 D '62.

(MIRA 16:1)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M. V. Lomonosova.

(Levulinic acid) (Claisen rearrangement)

ZOTCHIK, N.V.; MIROSHNICHENKO, L.D.; YEVSTIGNEYEVA, R.P.; PRIOBRAZHENSKIY,  
N.A.

Study of the Claisen condensation of esters of levulinic acid and  
their conversion products. Zhur.ob.khim. 32 no.9:2823-2828 S '62.  
(MIRA 15:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova.  
(Levulinic acid) (Claisen condensation)

YEVSTIGNEYEVA, R.P.; PYSHKINA, G.N.; LEVANDA, O.G.; PREOBRAZHENSKIY, N.A.

Syntheses of ethyl and n-butyl esters of  $\alpha$ -( $\beta$ -carbo-methoxyethyl)- $\beta$ -methyllevulinic acid. Zhur.ob.khim. 33 no.6: 1839-1843 Je '63. (MIRA 16:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova.

(Levulinic acid)

FILIPPOVICH, Ye.I.; LUZGINA, V.N.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Dipyrromethenes. Part 5: Synthesis of asymmetric dipyrromethenes and dipyrromethanes. Zhur.ob.khim. 33 no.7:2130-2133 J1 '63.  
(MIRA 16:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni V.M.Lomonosova.

(Pyrrole) (Porphyrins)

YEVSTIONEYEVA, R. P.

"Synthesis of porphyrins and their complexes with metals."

Report presented for the 3rd Intl. Symposium on the Chemistry of  
Natural Products (IUPAC), Kyoto, Japan, 12-18 April 1964.

YARLYKOVA, Ye.I.; YEVSTIGNEYEVA, R.P.; LUZGINA, V.N.

Methodology of determining free protoporphyrins in  
erythrocytes. Lab. delo no. 11:649-650 '64. (MIRA 17:12)

1. Kafedra klinicheskoy laboratornoy diagnostiki (zaveduyushchiy -  
prof. Ye.A.Kost) Tsentral'nogo instituta usovershenstvovaniya  
vrachey i kafedra khimii tonkikh organicheskikh soyedineniy  
(zaveduyushchiy - prof. N.A.Preobrazhenskiy) Moskovskogo  
instituta tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova.

FARGALI, A.M.; YEVSTIGNEYEVA, R.P.; KHANDIY, I.N.; PREOBRAZHENSKIY, N.A.

Synthesis of 2,4-diethyl-3-( $\beta$ -diethylaminoethyl)-5-carbethoxy-  
pyrrole and its derivatives. Zhur. ob. khim. 34 no. 3:893-  
898 Mr '64. (MIRA 17:6)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

PARGALI, A.M.; YEVSTEGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of 2,2'-[3,3'-bis ( $\beta$ -diethylaminoethyl)-4,4'-  
dimethyl]-dipyrry methane. Zhur. ob. khim. 34 no. 3:898-901  
Mr '64. (MIRA 17:6)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

MIRONOV, A.F.; YEVSTIGNEYEVA, R.P.; CHUMACHENKO, A.V.; PREOBRAZHENSKIY,  
N.A.

Synthetic investigations on the dipyrromethane series. Zhur.  
ob. khim. 34 no. 5:1488-1492 My '64. (MIRA 17:7)

1. Moskovskiy institut tonkoy khimi cheskey tekhnologii  
imeni Lomonosova.

SKLYAR, Yu.Ye.; YEVSTIGNEYEVA, R.P.; SARALIDZE, O.D.; PREOBRAZHENSKIY,  
N.A.

Structure of the salts of 3-acetylpyrrole derivatives and  
the mechanism underlying dipyrromethane formation. Dokl.  
AN SSSR 157 no. 2:367-370 J1 '64. (MIRA 17:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
Lomonosova. Predstavleno akademikom A.N.Nesmeyanovym.

BAVINA, M.V.; YEVSTIGNEYEVA, R.P.

Effect of saturated and unsaturated fatty acids on the composition of lipids in the blood, liver and aorta in experimental atherosclerosis. Vop. pit. 23 no.6:56-62. M.D. '64.

(MIRA 18:6)

1. Biokhimicheskaya laboratoriya (zav. - prof. M.G.Kritsman) Instituta terapii AMN SSSR i kafedra khimii i tekhnologii tonkikh organicheskikh soedineniy (zav. - prof. N.A.Prachazhenskiy) Moskovskogo instituta tonkoy khimicheskoy tekhnologii imeni Lomonosova.

SKLYAR, Yu.Ye.; YEVSTIGNEYEVA, R.P.; PRIOBRASHENSKIY, N.A.

Synthesis of  $\beta$ -dicyanovinyl pyrroles and dipyrromethanes. Zhur.  
org. khim. 1 no.1:167-171 Ja '65. (MIRA 18:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.  
Lomonosova.

PONOMAREV, G.V.; YEVSTIGNEYEVA, R.P.; MIRONOV, A.F.; PREOBRAZHENSKIY, N.A.

Biosynthesis of 6-azauridine in *Escherichia coli* and the conditions of accumulation of orotidine. Vop.med.khim. 11 no.6:47-54 N-D '65.  
(MIRA 18:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomcnosova. Submitted April 16, 1964.

L'VOVA, S.D.; YEVSTIGNEYEVA, R.P.; LAVROVA, L.N.; FILIPPOVICH, Ye.I.;  
PFEOBRAZHENSKIY, N.A.

Claisen condensation of  $\alpha$ -methyllevulinic acid esters. Zhur.  
org. khim. 1 no.9:1560-1563 S '65. (MIRA 18:12)

1., Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova. Submitted July 17, 1964.

YEVSTIGNEYEVA, R.P.; MIRZABEKOVA, N.S.; PREOBRAZHENSKIY, N.A.

Synthesis of 2,7,12,17-tetramethyl-1,4,6,9,11,14,16,19-octaketo-cycloeicosane. Zhur. ob. khim. 34 no.10:3308-3312 0 '64.

(MIRA 17:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

MIRONOV, A.F.; NAUMOVA, B.S.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of etioporphyrin. Zhur. ob. khim. 34 no.10:3312-3314  
O '64. (MIRA 17:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova.

YEVSTIGNEYEVA, R.P.; L'VOVA, S.D.; PREOBRAZHENSKIY, N.A.

Synthesis of the ethyl ester of 2,7-di-( $\beta$ -diethylaminoethyl)-  
3,8-dimethyl-4,6,9-triketocapric acid. Zhur. ob. khim. 34 no.10:  
3315-3317 0 '64. (MIRA 17:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova.

ACC NR: AR6028422

SOURCE CODE: UR/0196/66/000/005/1034/1034

AUTHOR: Bamdas, A. M.; Shapiro, S. V.; Yemel'yanov, V. P.; Yevstigneyeva, T. A.;  
Blinov, I. V.; Davydova, L. N.; Zakharov, N. V.; Makhin, Yu. I.; Roginskaya, L. E.;  
Frolov, V. T.

TITLE: Development work on static frequency changers in the Gor'kiy Polytechnic  
Institute im. A. A. Zhdanov

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 51205

REF SOURCE: Sb. Vses. nauchno-tekhn. konferentsiya po primeneniyu vysokoskorostn.  
mashin s elektroprivodom povyshen. chastoty toka v nar. kh-v. Ordzhonikidze, 1945,  
47-51

TOPIC TAGS: frequency changer, frequency converter, frequency conversion

ABSTRACT: The Laboratory has developed static ferromagnetic quadruplers, octuplers,  
and nonuplers with self-magnetization by flux intermediate harmonics, with single-  
and 3-phase output; also, a 1.5-ratio frequency changer has been developed. Their  
principal characteristics, power and weight data are reported. Specifically, the  
weight of active material varies from 36 to 29 kg/kva for capacities 1--6 kva;  
efficiency, 70--80%. With an input voltage variation of 90-110%, the quadrupler  
voltage varies only by  $\pm 5$ --8%. The output voltage of a negative-feedback-type  
octupler varies only by  $\pm 2$ % with a load current varying from zero to 130% its

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UDC: 621.314.26

ACC NR: AR6028422

nominal value. The octupler output voltage can be regulated within  $\pm 1\%$  by controlling its magnetization current. The efficiency of the 1.5-ratio frequency changer is 60--70%. It is capable of stable operation despite input voltage and load variations within  $\pm 50\%$  of their nominal values. Four figures. Bibliography of 4 titles. S. Shapiro [Translation of abstract]

SUB CODE: 09

Card 2/2

YEVSTIGNEYEVA, T.P.

ZADNYEV, V.V., professor; SKALDIN, P.V.; YEVSTIGNEYEVA, T.P.

Method of portovenography and its diagnostic significance. Vest.  
rent. 1 rad. no.2:58-62 Mr-Apr '55. (MIRA 8:5)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav.—prof. I.A. Shekhter) Tsentral'nogo nauchno-issledovatel'skogo rentgenoradiologicheskogo instituta imeni V.M.Molotova (dir. I.G.Lagunova)

VEINS, PORTAL SYSTEM, radiography,  
technic & diag. value)

(ANGIOGRAPHY,

portal veins, technic & diag. value)

YEVSTIGNEYEVA, T.P.  
YEVSTIGNEYEVA, T.P.

Changes in the respiratory function of the remaining lung following pneumonectomy and lobectomy from the radiological viewpoint: experimental observations [with summary in English]. Vest.rent. 1 rad. 32 (MIRA 11:2) no.5:57-63 S-0 '57.

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii (dir. - dotsent I.G.Iagunova)  
(PNEUMONECTOMY, exper.  
postop. x-ray determ. of changes in resp.funct. in dogs (Rus))

YEVSTIGNEYEVA, T. P., Candidate Med Sci (diss) -- "Material for the X-ray study of the consequences of operative intervention in the lungs (Experimental investigation)". Moscow, 1959. 12 pp (State Sci Res Roentgenological-Radiological Inst of the Min Health RSFSR), 150 copies (KL, No 24, 1959, 149)

BJDERMAN, A.I. (Moskva, Kutuzovskiy prospekt, d.29, kv. 82); YEVSTIGNEYVA  
T.P. (Moskva, Sharikopodshipnikovskaya ul., d.9, korp. 2, kv.65)

Roentgenotherapy of esophageal cancer with two mobile sources of  
radiation. Vop.onk. 5 no.4:430-439 '59. (MIRA 12:12)

1. In rentgenoterapevticheskogo otdela (zav. - prof. L.D. Podlyashuk)  
Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii  
i radiologii (dir. - dots. I.G. Lagunova).

(ESOPHAGUS, neoplasms,  
radiother. with 2 mobile sources of radiation (Rus))  
(RADIOTHERAPY, in var. dis.  
cancer of esophagus, 2 mobile sources of radiation  
(Rus))

YINVESTIGNEYEVA, T.P.; KOLYCHEV, M.A.; MITKEVICH, D.S.

Apparatus for angiocardiology. Trudy TSentr. nauch.-issl.  
inst. rentg. i rad. 10:113-117 '59. (MIRA 12:9)  
(ANGIOCARDIOGRAPHY--EQUIPMENT AND SUPPLIES)

DAUROVA, T.T.; RUDERMAN, A.I.; YEVSTIGNEYEVA, T.P.

Recanalization and X-ray therapy in inoperable cancer of the  
esophagus. Khirurgiia no.3:74-79 '62. (MIRA 15:3)

1. Iz 3-go khirurgicheskogo otdeleniya (zav. - prof. G.D. .  
Vilyavin) Instituta khirurgii imeni A.V. Vishnevskogo (dir. -  
deystvitel'nyy cheln AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR  
i Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radio-  
logicheskogo instituta (dir. - prof. I.G. Lagunova) Ministerstva  
zdravookhraneniya RSFSR.  
(ESOPHAGUS—CANCER) (X RAYS—THERAPEUTIC USE)

FROLOVA, A.V.; PERESLENI, N.A.; YEVSTIGNEYEVA, T.P.

Optimal conditions for X-ray therapy of the central form of  
lung cancer. Med. rad. 10 no.5:9-13 My '65. (MIRA 18:6)

1. Dozimetriche-iv otdel (zav.- dotsent A.N. Krongauz) i  
rontgenoterapevticheskiy otdel (zav.- doktor med. nauk I.A.  
Pereslegin) Nauchno-issledovatel'skogo rentgeno-radiologicheskogo  
instituta Ministerstva zdravookhraneniya RSFSR, Moskva.

FERESLEGIN, I.A. (Moskva); YEVSTIGNEYEVA, T.P. (Moskva);  
KACHOROVSKAYA, I.B. (Moskva); PERESLENI, N.A. (Moskva)

Methodology of rotation X-ray therapy of intrathoracic tumors  
by means of a two-tube apparatus; experimental dosimetric  
studies. Trudy TSentr. nauch.-issl. inst. rentg. i rad. 11  
no. 1: 231-241 '64.

Problem of the dosimetric basis of various methodologies of  
radiotherapy of nontumorous diseases. Ibid. 242-251  
(MIRA 18:11)

IVUS, Ye.M.; YEVSTIGNEYEVA, T.V.; NIKITINA, A.A.

Carrying out a planned oral hygiene program for children in Minsk.  
Stomatologiya 40 no.1:88-90 Ja-F '61. (MIRA 14:5)

1. Iz stomatologicheskoy polikliniki No.2 Minska.  
(MINSK—MOUTH—CARE AND HYGIENE)

MEL'NIKOV, S.S.; YEVSTIGNEEV, V.B.

Changes in the electroconductivity of chlorophyll c and a + b  
solutions following illumination under oxidizing conditions.  
Dokl. AN BSSR 9 no.9:607-609 S '65. (MIRA 18:11)

1. Laboratoriya biofiziki i izotopov AN BSSR i Institut bio-  
khimii AN SSSR. Submitted October 13, 1964.

NOVIKOVA, N.V.; YEVSTIGNEYEV, V.B.

Conditions for photophosphorylation in extracts from the  
anaerobic sulfur bacterium Chromatium. Biokhimiia 30 no.6:  
1245-1250 N-D '65. (MIRA 19:1)

1. Institut fotosinteza i Institut biokhimiia imeni A.N.Bakha  
AN SSSR, Moskva. Submitted March 29, 1965.

YEVSTIGHYEVA, Y.N.

Industrial health centers. Sov. zdrav. 13 no.5:15-21 S-O '54.

(MLRA 7:12)

1. Iz kafedry organizatsii zdravookhraneniya (i.o. zav. dotsent  
B.P.Pisarev) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta.

(INDUSTRIAL HYGIENE,

in Russia, med. centers)

YEVSIGNEVA, V.N.

Preventive and therapeutic work of a shop sector physician of an industrial medical and public health unit. Zdrav.Ros.Fed. 1 no.3: 17-20 Mr '57. (MIRA 10:9)

1. Assistant kafedry organizatsii zdravookhraneniya i istorii meditsiny (zav. kafedroy - prof. B.S.Sigel) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.  
(MEDICINE, INDUSTRIAL)

YEVSTIGNEYEVA, V.N.

Medical and sanitary services for workers and employees at the  
Ishora plant before and after October. Sov.zdrav. 16 no.5:24-30  
Ky '57. (MIRA 10:7)

1. Iz kafedry organizatsii zdavookhraneniya i istorii meditsiny  
(zav. - prof. B.S.Sigal) Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta.

(INDUSTRIAL HYGIENE, history,  
in Russia (Rus))

YEVSTIGNEYEVA, V. N. Cand Med Sci -- (diss) "Organization of the work of *the shop*  
district therapist <sup>[an internist]</sup> ~~in industrial plants~~ <sup>experiments</sup> (From the ~~experiments~~ of the  
~~San. Unit~~ <sup>San. Unit</sup> ~~med. department~~ of the Izhora plant)." Len, 1958. 18 pp (Min of Health  
RSFSR. Len Sanitary Hygiene Med Inst), 200 copies (KL, 11-58, 121)

YEVSTIGNEYEVA, Y. N.

Studying incidence of disease with temporary disability. Vrach.  
delo no.2:189-191 F '58. (MIRA 11:3)

1. Kafedra organizatsii zdavookhraneniya i istorii meditsiny  
(zav.-prof. B.S.Sigal) Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta.  
(INDUSTRIAL MEDICINE)

YEVSTIGNEYEVA, V.N., kand.med.nauk (Leningrad)

Some problems in dispensary treatment for the population, Sov. zdrav.  
21 no.6:17-22 '62. (MIRA 15:5)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny  
(zav. - prof. Ye.Ya. Belitskaya) Leningradskogo sanitarno-  
gigiyenicheskogo meditsinskogo instituta (rektor - prof. A.Ya.Ivanov).  
(MEDICAL CARE)

SHAULOV, Yu.Kh.; TUBYANSKAYA, V.S.; YEVSTEGNEYEVA, Ye.V.; SHMYREVA, G.O.

Determination of the enthalpies of formation of organoaluminum  
compounds. Part 1. Zhur. fiz. khim. 38 no.7:1779-1783 J1 '64.  
(MIRA 18:3)

YEVSTIGNEYEVA, Ye.V.; SHMYREVA, G.O.

Heat of combustion of manganese cyclopentadienyltricarbonyl.  
Zhur. fiz. khim. 39.no.4:1000-1002 Ap '65.

(MIRA 19:1)

1. Submitted April 22, 1964.

GORDEYEV, G.S., prof.; YAKUSHKIN, D.I.. Prinsipali uchastiye: GORSKAYA, N.V.; GRANOVSKAYA, A.Ye.; YEVSTIGNEYEVA, Yu.G.; KRYLOV, M.V.; LEYKIN, D.I.; MAKHOVETSKIY, V.B.; MEYENDORF, A.L.; NAZARENKO, V.I.; NICHIPORUK, O.K.; PAVLOV, L.I.; RUMYANTSEVA, N.V.; SOSENSKIY, I.I.; CHERNEVSKIY, Yu.V.; TULUPNIKOV, A.I., red.; SOLOV'YEV, A.V., prof., red.; RAKITINA, Ye.D., red.; ZUBRILINA, Z.P., tekhn.red.

[Agriculture in capitalist countries; a statistical manual] Sol'skoe khoz'iatstvo kapitalisticheskikh stran; statisticheskii sbornik. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 247 p. (MIRA 12:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva. 2. Otdel nauchnoy informatsii po ekonomike i organizatsii sel'skogo khozyaystva zarubezhnykh stran Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for all except Tulupnikov, Solov'yev, Rakitina, Zubrilina). 3. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Tulupnikov). 4. Zamestitel' direktora Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Solov'yev).

(Agriculture--Statistics)

YEVSTIGNEYEVA, Z. G.

PA 63/49145

USSR/Medicine - Sugar Beet  
Medicine - Glutamine

May/Jun 49

"Discovery of Glutamine in the Sugar Beet," V. L. Kretovitch, Z. G. Yevstigneyeva, Inst of Biochem Med A. S. Bach, Acad Sci USSR, 4 pp

"Biokhim" Vol XIV, No 3

Research proves false the "opinion held in literature" that the Russian sugar beet does not contain glutamine, showing that it does contain both glutamine and asparagine in the leaves (although only in traces) and in the beet itself. Quantities of both acids increase as the beet matures, attaining a

63/49145

USSR/Medicine - Sugar Beet (Contd) May/Jun 49

maximum of 11% of the total nitrogenous content at maturity. Submitted 8 Oct 48.

63/49145

YEVSTIGNEYEVA, Z. G.

PA 52/49T59

USSR/Medicine - Glutamine  
Medicine - Biochemistry

May 49

"Methods of Synthesizing Asparagine and Glutamine  
in Plants," V. L. Kretovich, Z. G. Yevstigneyeva,  
Tr. of Biochem. Inst. A. N. Bakh, Acad. Sci. USSR,  
38 pp

"Dokl. Ak. Nauk. SSSR" Vol. LXXI, No. 3

While asparagine is slightly synthesized by  
introducing ammonia asparagine into plant tissue,  
glutamine is not formed from the glutamate.  
Synthesis of glutamine is complicated and probably  
connected with oxidation-reduction processes.

52/49T59

USSR/Medicine - Glutamine (Contd)

May 49

Apparently greater physiological lability of  
glutamine is being studied. Submitted by Acad  
A. I. Oparin, 25 Mar 49.

52/49T59

YEVSIGNEYEVA, Z. G.

Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Biological Chemistry

②  
Synthesis of protein from asparagine and glutamine in wheat sprouts. V. L. Kretovskii and Z. G. Evstigneeva (A. N. Bakii Biochem. Inst., Acad. Sci. U.S.S.R., Moscow). *Doklady Akad. Nauk S.S.S.R.* 93, 870-81 (1953). When asparagine or NH<sub>4</sub> aspartate are infiltrated into wheat sprouts, protein synthesis takes place readily, although the latter substance is more readily assimilated. Asparagine is less readily assimilated than glutamine or NH<sub>4</sub> glutamate. Thus glutamine and asparagine are not equiv. in protein synthesis.  
G. M. Korolapoff

YEVSTIGNEYEVA, Z. G.

"The Role and Transformations of Asparagine and Glutamine in Plants." Cand Biol Sci, Inst of Biochemistry imeni A. N. Bakh, Acad Sci, USSR. (VM, 19 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

YEVSTIGNEYEVA, Z.G.

All-Union conference on the Biochemistry of Grain and Baking.  
Izv.AN SSSR.Ser.biol. no.4:634-637 J1-Ag '59. (MIRA 12:9)  
(BREAD) (GRAIN)

KRETOVICH, V.L.; YEVSTIGNEYEVA, Z.G.; ASEYHVA, K.B.; SAVKINA, I.G.

Nitrogenous substances in the vlaeding sap of the pumpkin [with  
summary in English]. Fiziol.rast. 6 no.1:13-20 Ja-F '59.

(MIRA 12:2)

1. A.N. Bach Institute of Biochemistry of the U.S.S.R. Academy of  
Sciences, Moscow.

(Pumpkin)

(Sap)

(Nitrogen)

YEVSTIGNEYEVA, Z.G.

All-Union Conference on the Biochemistry of Grain and Baking. Bio-  
khim11a 24 no.5:948-951 S-0 '59. (MIRA 13:2)  
(CEREAL PRODUCTS--CONGRESSES)

30(1)

SOV/26-59-5-25/47

AUTHORS: Yevstigneyeva, Z.G., and Aseyeva, K.B., Candidates  
of Biological Sciences

TITLE: On Nitrogenous Substances in the Juice of Pumpkins

PERIODICAL: Priroda, 1959, <sup>1/8</sup>Nr 5, pp 97 - 99 (USSR)

ABSTRACT: The authors state that the roots of plants absorb inorganic nitrogen from the soil. Amongst other researchers, D.N. Pryanishnikov and A.A. Shmuk studied the suitability of various nitrogen compounds for diverse plants. D.A. Sabinin's suggestion that the root system, in addition to its functions of absorption, anchorage, conduction and storage of food materials, also synthesizes several most important organic compounds was confirmed by the research results of A.A. Shmuk, A.L. Kursanov and other researchers. Grafting and a detailed study of the chemical composition of plant saps and juices were the methods employed. L.S. Litvinov investigated the problem of the presence of albumin

Card 1/2

On Nitrogenous Substances in the Juice of Pumpkins

SOV/26-59-5-25/47

in the plant sap. T.I. Smirnova and S.Ya. Frenkel' of the Institut vysokomolekulyarnykh soyedineniy (Institute of High-Molecular Compounds) determined the molecular weight of the albumin contained in the sap to be about 100,000. From the experiments carried out by the authors with a culture of pumpkins, they found that only a small amount of albumen of the albumin type, is contained in the juice. This albumin was connected with silica and calcium compounds. The amount of nitrogenous substances in the juice is not affected by the kind of nitrous fertilizer in the soil. There are 6 Soviet references.

ASSOCIATION: Institut biokhimii im. A.N. Bakha AN SSSR (Moskva)  
(The Institute of Biochemistry imeni A.N. Bakh of the AS USSR (Moscow)

Card 2/2

Z/011/61/018/002/013/013  
E112/E153

**AUTHORS:** Kretovich, V.L., and Yevstignayeva, Z.G., and others.

**TITLE:** Assimilation of ammonia, labelled with radioactive nitrogen, by the root system

**PERIODICAL:** Chemie a chemická technologie. Přehled technické a hospodářské literatury. Vol.18, No.2, 1961, page 99. Abstract Ch 61-1353 (Biochimica, 1960, Vol.25, No.3, pp.476-481.)

**TEXT:** Radioactive nitrogen was applied in the described trials in the ammonia group of ammonium nitrate. The trials were conducted with marrows. Nitrogen in this form is very rapidly accepted and transported to the rest of the plant. Part of the nitrogen of the ammonium salt is converted into the amino group of asparagine and glutamine already in the roots. The rate of contribution of ammonia to protein synthesis in the sap is of a considerably lower order.  
4 tables, 16 lit.references.

[Abstractor's note: This is a complete translation.]  
Card 1/1

KRETOVICH, V.L.; YEVSTIGNEYEVA, Z.G.; ASEYEVA, K.B.

Incorporation of ammonium nitrogen received from the soil into the reserve proteins of seeds. Biokhimiya 25 no.5:878-883 S-O '60.

(MIRA 14:1)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R.,  
and Institute of Food Technology, Moscow.

(SEEDS)

(PROTEIN METABOLISM)

KRETOVICH, V.L.; YEVSTIGNEYEVA, Z.G.; ASEYEVA, K.B.

Ammonium assimilation by plants with various types of metabolism.  
Fiziol. rast. 11 no.2:165-170 Mr-Apr '64. (MIRA 17:4)

1. Institut biokhimii imeni Bakha AN SSSR, Moskva.

MORGUNOVA, Ye.A.; YEVSTIGNEYEVA, Z.G.; KRETOVICH, V.L.

Biosynthesis of amino acids from the glyoxylic acid in oilseed plants. Dokl. AN SSSR 156 no. 2:467-470 My '64. (MIRA 17:7)

1. Institut biokhimi imeni A.N.Bakha AN SSSR. 2. Chlen-korrespondent AN SSSR (for Kretovich).

YEVSTIGNEYEVA, Z.G.; ASEYEVA, K.B.; KRETOVICH, V.L.

Ammonia assimilation by the mycotrophic plant *Monotropa*  
*hypopitys* L. Dokl. AN SSSR 156 no.6:1461-1463 Je '64.  
(MIRA 17:8)

1. Institut biokhimii imeni A.N. Bakha AN SSSR. 2. Chlen-  
korrespondent AN SSSR (for Kretovich).

TOMOVA, N.G.; YEVSTIGNEYEVA, Z.G.; KRETOVICH, V.L.

Assimilation of nitrate and ammonium nitrogen by *Chlorella*  
*pyrenoidosa* Grunskheim EST. Fiziol. rast. 11 no.6:988-997 N-D '64.

(MIRA 18:4

1. Popov Institute of Biology, Bulgarian Academy of Sciences,  
Sofia and A.N. Bakh Institute of Biochemistry, U.S.S.R. Academy  
of Sciences, Moscow.

ROMANOV, V.I.; YEVSTIGIYEVA, Z.G.; KRETOVICH, V.L.

Dehydrogenases of amino acids in Chlorella. Prikl. biokhim. i  
mikrobiol. 1 no.5:494-499 S-O '65. (MIRA 18:12)

1. Institut biokhimii imeni A.N. Bakha AN SSSR i Moskovskiy  
tekhnologicheskii institut pishchevoy promyshlennosti.

KRETOVICH, V.I.; YEVSTIGNEYEVA, Z.G.; ASEYEVA, K.B.

Ammonium assimilation by parasitic plants. Izv. AN SSSR. Ser.  
biol. no.6:871-876 N-D '65. (MIRA 18:11)

ISAGULYANTS, V.I.; YEVSTRAF'YEV, V.P.

Alkenylation of phenol with butadiene on the cation exchange  
resin KU-2. Zhur. prikl. khim. 36 no.9:2064-2070 D '63.  
(MIRA 17:1)

YEVSTRAKHIN, V.A.

Importance of radiometric methods in prospecting for deposits of  
nonradioactive minerals. Razved. i okh. nedr 27 no.10:38-43 0  
'61. (MIRA 15:3)

1. Ministerstvo geologii i okhrany nedr SSSR.  
(Radioactive prospecting)

1. YEVSTRAPOV, L.
2. USSR (600)
4. Commutation (Electricity)
7. Alteration of commutator.  
Radio. No. 10. 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

YEVSTRATENKO, P.; MERZLOV, A.; KALENOVA, M.; ROMANENKO, G.; KRASIYEV, F.

Contribution of airmen to the victory of Ust'-Labinsk grain growers.  
Grazhd.av. 20 no.11:4-5 N. '63. (MIRA 17:2)

1. Zamestitel' komandira aviatsionnogo podrazdeleniya po letnoy sluzhbe, Krasnodar (for Yevstratenko). 2. Glavnyy agronom Ust'-Labinskogo proizvodstvennogo upravleniya (for Merzlov). 3. Nachal'nik otryada upravleniya po zashchite rasteniy Ust'-Labinskogo proizvodstvennogo upravleniya (for Kalenova). 4. Starshiy agronom kolkhoza imeni Lenina (for Romanenko). 5. Starshiy agronom kolkhoza "Kuban'" (for Krsiyev).

LEVSTRATOV, A., inzh.

Wider utilization of the advanced experience in farm produce transportation, Avt.transp. 43 no.3:9-12 Mr '65.

(MIRA 18:5)

1. Zamestitel' nachal'nika Glavse'khoztransa Ministerstva avtotransporta i shosseynykh dorog RSFSR.

YEVSTRATOV, A.; KITAYEV, A.

Efficient transportation of mineral fertilizers. Avt.transp.  
42 no.3:3-5 Mr '64. (MIRA 17:4)

YEVSTRATOV, A.A., Cand Tech Sci -- (diss) "Certain problems  
in the stability of the <sup>flat</sup> ~~plane~~ form bending of broken  
rods." Novocherkassk, 1959, 12 pp with drawings  
(Min of Higher Education USSR. Novocherkassk Order of  
Labor Red Banner Polytechnical Inst in O. Ordzhonikidze.  
Chair of Building <sup>Design</sup> ~~Construction~~) 150 copies (KL, 28-59, 127)

- 57 -

YEVSTRATOV, A.A.

Some problems of the stability of prestressed beams. Trudy NPI 147:  
67-81 '63. (MIRA 17:3)

YEVSTRATOV, A.I.

Effect of mineral fertilizers on the yield and winter  
hardiness of sour cherry varieties. Dokl. Akad. sel'khoz.  
nauk no.10:22-23 0 '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy zonal'nyy institut sadovodstva  
nechernozemnoy polosy.

YEVSTRATOV, A.S.

3615. YEVSTRATOV, A.S. Issledovanie Dinamichyeskikh Napryazheniy I  
Snyakh I Usiliy Deystvuyushikh NaBukasy Parovoza L , Oborudovannogo  
Rolikovymi Podshipnika Mi Podshipnikami Kogomia Sektor Tekhyu Informatsii,  
1954. 36s. s ill. 20sm. (M-Vo Transp. Mashinostroyeniya SSSR. Tsentr.  
Yuauch-Ispytatel'naya Laboratoriya Transp. Mashinostroyeniya. Tekhn.  
Informatsiya: VYP. No. 4 (19)). 300ekz. Bespl.-Avt. Ukazan V Vyp. Dan.-  
(54-14389zh) 621.135.2.0014

SO: Knizhnaya Letopis', Vol. 3, 1955

YEVSTRATOV, A.S. (Kolomna); TIBILOV, T.A. (Rostov-on-Don):

"Non-linear vibrations of a locomotive subject to random disturbances."

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

YEVSTRATOV, A. S

AFANAS'YEV, L.; YEVSTRATOV, A.

Extend and improve passenger transportation. Art. transp. 32  
no. 5:1-3 Ky '54. (MIRA 7:7)  
(Motor bus lines) (Taxicabs)

BAKLANOV, P.; YEVSTRATOV, A. S

Organization of a centralized dispatcher service in an automotive-  
transportation trust. Avt. transp. 37 no.10:19-23 0 '59.

(MIRA 13:2)

(Transportation, Automotive)

YEVSTRATOV, A. S., Cand Tech Sci -- (diss) "Research into forces acting on locomotive axles, and stresses in the axles." Kolomna, 1960. 16 pp; (Ministry of Railroads USSR, Moscow Order of Lenin and Order of Labor Red Banner Inst of Railroad Transport Engineers im I. V. Stalin); 170 copies; free; (KL, 25-60, 131)

~~YEVSTRATOV, Boris Vasil'yevich, geroy Sotsialisticheskogo Truda; NIKITIN,~~  
~~V.N.; POPANDOPULO, I.I.; TERESHCHENKO, N.I., redaktor; VESKOVA,~~  
~~Ye.I., tekhnicheskij redaktor; PAVLOVA, M.M., tekhnicheskij re-~~  
~~daktor.~~

[The state farm in the struggle for profitable operation;  
practices of the "TSilinskii" State Grain Farm] Sovkhoz v  
bor'be za rentabel'nost'; opyt TSelinskogo ordena Lenina  
zernovogo sovkhoza. Moskva, Gos.izd-vo sel'khoz.lit-ry,  
1956. 134 p. (MLRA 10:6)

(State farms)

YEVSTRATOV, D.

AID P - 738

Subject : USSR/Aeronautics

Card 1/1 Pub. 135 - 5/21

Authors : Yevstratov, D., Lt. Col. and Kornev, P., Major

Title : To improve the Ground-to-Air Control Service (GACS)

Periodical : Vest. vozd. flota, 10, 29-33, 0 1954

Abstract : The author describes the GACS which in any weather and at any time observes the flight of aircraft, determines its course, speed, altitude, secures a high exactitude in navigation, guides the fighter to his air targets and brings the aircraft down for landing. The author gives the general outline of the organization of the GACS, and describes its action in several examples. Some names of officers are mentioned.

Institution : None

Submitted : No date

LEVSTRATOV, F.A.; KARUSEVICH, Ye.H.

Predictability curve of water equivalent of snow in an open  
location based on field snow surveys in the Devitsa River  
Basin. Meteor. i gidrol. no.1:45-47 Ja '56. (MLBA 9:6)  
(Devitsa Valley--Snow)

YEVSTRATOV, F.A.

High spring waters on the rivers of the central Chernozem provinces under the Hydrometeorological Service Administration in 1063. Meteor. i gidrol. no.7:41-43 J1 '64  
(MIRA 17:8)

1. Upravleniye gidrometeorologicheskoy sluzhby Tsentral'no-  
chernozemnykh oblastey.

YEVSTRATOV, F.A.

Methods for short-range forecasting of the breakup of rivers in the  
Central Black Earth Region. Trudy TSIP no.100:102-108 '60.  
(MIRA 14:5)

(Central Black Earth Region--Ice on rivers, lakes, etc.)

YEVSTRATOV, G.I., inzh.; SHNEYDEROV, R.G., inzh.

Selecting an electrode material for the semiautomatic electric  
slag welding of reinforcement butt joints. Svar. proizv. no.9:  
24-26 S '65. (MIRA 18:9)

1. Promstal'konstruktsiya.

YEVSTRATOV, G.I., inzh.; EUKHOV, G.I., tekhnik

Remote control of the voltage of PSG-500 converters. Svar.  
proizv. no.10:37 O '65. (MIRA 18:10)

1. Institut "Promstal' konstruktsiya."

YEVSTRATOV, G.I., inzh.; SHNEYDEROV, R.G., inzh.

Selecting conditions for the semiautomatic electric slag  
welding of butt joints in 35GS steel reinforcements. Svar.  
proizv. no.12:22-24 D '65. (MIRA 18:12)

1. Promstal'konstruktsiya.

LEVI, S.S., kand.tekhn.nauk; YEVSTRATOV, G.I., inzh.

Nonwelded joining of bar reinforcement. Prom.stroi. 42 no.2:48  
'65. (MIRA 18:4)

YEVSTRATOV, G.I., inzh.

Semiautomatic electric slag welding of reinforced joints. Promstal'  
42 no.7:27-29 '65. (MIRA 18:3)

1. Promstal'konstruktsiya.

YEVSTRATOV, G.I., inzh.

Semiautomatic electric slag welding of reinforcement joints  
in graphite molds. Prom.stroi. 43 no.12:36-38 '65.  
(MIRA 18:12)

1. Promstal'konstruktsiya.

YEVSTRATOV, G.I., inzh.

Copper forms for semiautomatic welding of single reinforcement  
rods. Prom. stroi. 42 no. 6:26-28 '65. (MIRA 18:12)

SERPA, I.V.; LUTEN, M.Ye.; YENSRATOV, I.N.

Evaluation of the bactericidal and bacteriostatic properties of  
diclid. Zhur.mikrobiol., Spid. 1 izm. 4/ no.3:75-83. No '85.

(MIRA 18:6)

38125. YENSTRATOV, M. and YAKOVLEV, V.

V. Puti ekonomii elektroenergii na myasokombinatakh. Myas.  
industriya SSSR, 1949, no. 6, s. 47-51

38062. YEVSTRATOV, M. N.

REMONT ELECTROBORUDOVANIYA ZAVODA. MOLOCH. PROM-ST', 1949, No. 12,  
s. 41-43.

1. YEVSTRATOV, M. N.
2. USSR (600)
4. Technology
7. Manual for the refrigerator electrician on duty. Moskva P'sherpromizdat, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

YEVSTRANOV, M. N.

Electric Motors

Starting a short-circuited electric motor from a low-power electric generator. Mol. prom., 13, No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

1. YEVSTRATOV, M. N.
2. USSR (600)
4. Electric Machinery - Maintenance and Repair
7. "Handbook for maintenance electrician in refrigeration plant."  
Ehol. tekhn. 29 No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

23

PHASE I BOOK EXPLOITATION SOV/5494

Reporters: Mikhail Yanil'yevich, and Sergey Zakharevich Gushchav  
Reporters iz XXI veka; my izpisali raskazny dvadtsati deystviy  
sovetakh vecherney o nazme i tekhnike budushchego (Report  
From the Twenty-First Century; Stories of Twenty-First Soviet  
Scientists on Science and Engineering of the Future) [Moscow]  
Izd-vo Sovetskaya Rossiya, 1958. 283 p. 50,000 copies printed.

Ed.: V. A. Golubtzeva; Tech. Ed.: G. I. Kiseleva.

PURPOSE: This book is intended for the general reader.

COVERAGE: The book contains 27 articles (told reporters by  
Soviet scientists) dealing with probable future progress in  
physics, chemistry, electricity, metallurgy, engineering,  
mining, medicine, biology, astronomy, culture, ecology, transportation,  
exploration of space, and the future. Attention is given to  
automation, atomic energy, underground gasification of coal, use of  
new metals, modernization of oil fields, atomic electric stations,  
production of metal parts by the process of explosion, explosions  
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Reports From the Twenty-First (Cont.) SOV/5494

in dam construction, cancer, internal longevity reserves, ultra-  
machine diagnosis of illnesses, surgery to treatment by ultra-  
sonic vibrations, mechanical heart substitutes, human body tests,  
medical engineering enriched fodder, superartillery, artificial  
ficial snowfalls, agriculture via "antennules", radiochemistry,  
power beam vs. wire machines doing intellectual work, "auto-  
mobiles" (with "radio motors"), artificial sun (electromagnetic  
netic rays focused above a city which cause heated electrons  
to shine), future ocean ships, railway dreadnoughts, Moscow  
of the future, moving pavements, wheelless and driverless auto-  
mobiles, electric omelets, the industrialization of Siberia,  
use of underground heat, climate control, living on the moon,  
antimatter, and photon jet. Names of the interviewed scientists  
are given. There are no references.

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Learn to Dream [A. N. Mersyayev, Academician]

THE FUNDAMENTAL AND MOST IMPORTANT THINGS

Transformation of Elements -- the Future of Metallurgy [I. P.  
Bartle, Academician, Vice-President, AS USSR]

Humans Are Breathing Their Last [I. S. Garkunba, Director of  
Vsesoyuznyy nauchno-issledovatel'skiy institut "Podzemnyye"  
All-Union Scientific Research Institute of Underground Gasifi-  
cation of Coal -- and M. A. Fedorov, Deputy Director for the  
Scientific Section]

Automatic Oil Field [S. I. Kiselev, Academician, and M. A.  
Kapolyushnikov, Corresponding Member, AS USSR]

From the Sources [A. V. Vinter, Academician]

Card 3/7

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YEVSTRATOV, N.F.

Reconstructing the center of the city. Gor.khoz.Mosk. 34 no.3:  
12-15 Mr '60. (MIRA 13:8)

1. Direktor Instituta general'nogo plana g. Moskvy.  
(Moscow--City planning)

YEVSTRATOV, H.F.

Greenbelts and parks of the capital. Gor. khoz. Mosk. 34  
no. 94-6 S '60. (MIRA 13:9)

1. Direktor Instituta general'nogo plana Moskvyy.  
(Moscow region--Parks)

*Director, Gen. for the General Plan of  
Moscow*

YEVSTRATOV, N.F.

Honorable task of Moscow's city planners. Gor. khoz. Mosk. 35  
no. 3:4-6 Mr '61. (MIRA 14:5)

1. Direktor Instituta general'nogo plana Moskvyy.  
(Moscow—City planning)